

Rio Tinto Kennecott
4700 Daybreak Parkway
South Jordan, Utah 84095
T +1(801)
M +1(801)
E-mail

Leslie
6348

Chris Kaiser
Manager - Environment
On behalf of Kennecott Barneys Canyon Mining Company

17 November 2014

VIA HAND DELIVERY

Mr. Paul Baker, Minerals Program Manager
Division of Oil, Gas & Mining
Utah Department of Natural Resources
P.O. Box 145801
Salt Lake City, Utah 84114-5801

**Subject: M/035/0009 – Barneys Canyon Mine
Clay Hollow Response – Request for Seed Mix Approval**

Dear Mr. Baker

Please see attached Table 1 and Table 2 for your review and approval. Table 1 presents a general upland seed mix for use in various reclamation projects. Table 2 presents an upland seed mix to be used in narrow corridors of disturbance. Rio Tinto Kennecott on behalf of Barneys Canyon Mine proposes that these seed mixes be used in various upland locations, including the Barneys Canyon Mine (Permit # M/035/0009) and certain disturbances associated with the Clay Hollow Restoration Project.

Please contact Trevor Heaton, Senior Reclamation Engineer, at (801) 563-1514 should you have any questions concerning this submittal.

Thank you and your staff for your continued support.

Regards,



Chris Kaiser
Manager – Environment

cc: Leslie Heppler (UDOGM)

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Table 1: Upland General Seed Mix

| Common name | Scientific name | Variety | PLS lb/acre | % of mix |
|----------------------------|-----------------------------------|---------------|----------------|----------|
| Western wheatgrass | Pascopyrum smithii | | 1.5 | 13 |
| Indian ricegrass | Oryzopsis hymenoides | | 1 | 9 |
| Russian Wildrye | Psathrostachys juncea | | 0.5 | 4 |
| Bluebunch wheatgrass | Pseudoroegneria spicata | | 2 | 17 |
| Great Basin Wildrye | Elymus cinereus | Trailhead | 1 | 9 |
| Bottlebrush squirreltail | Elymus elymoides | | 0.75 | 7 |
| Slender wheatgrass | Elymus trachycaulus | Pryor | 1.25 | 11 |
| Forbs/Wildflowers | | | | |
| Blue Flax | Linum lewisii | | 0.5 | 4 |
| Small burnet | Sanguisorba minor | | 1 | 9 |
| Sainfoin | Onobrychis viciifolia | | 1 | 9 |
| Gooseberryleaf Globemallow | Sphaeralcea grossulariaefolia | | 0.5 | 4 |
| Shrubs | | | | |
| Sagebrush | Artemisia tridentata var vaseyana | Vaseyana | 0.5 | 4 |
| | | Total lb/acre | 11.5 | |
| | | Seeds/sq ft. | 30.7 | |

Table 2: Upland Corridor Seed Mix

| Common name | Scientific name | Variety | PLS lb/acre | % of mix |
|--------------------------|-------------------------|---------------|----------------|----------|
| Bluebunch wheatgrass | Pseudoroegneria spicata | | 4 | 17 |
| Bottlebrush squirreltail | Elymus elymoides | | 1.5 | 7 |
| Slender wheatgrass | Elymus trachycaulus | Pryor | 2.5 | 11 |
| Basin wild rye | Elymus cinereus | | 1 | 4 |
| Sainfoin | Onobrychis viciifolia | | 1 | 4 |
| Quickguard | | | 13 | 57 |
| | | total lb/acre | 23 | |
| | | Seeds/sq ft. | 30.6 | |

Note: The seed mix found in Table 2 is intended for use in narrow corridors of disturbance.

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